FIG COMMISSION 7 - Annual Meeting 2004 Clermont-Ferrand, France 8 - 14 September 2003

Industry Trends and Innovation

Presenters: Pierre le Roux

Bruce Hall











Who is Intergraph?



- § Since 1969, Intergraph has been a pioneer of end-to-end computer graphics, mapping technology and geospatial information management solutions.
- § Solutions enable customers to organize complex data into understandable visual representations.
- § Publicly Traded Company: NASDAQ Symbol: INGR
- § Our solutions are a combination of software products, specialized Z/I hardware and professional services.
- § We have successfully transitioned from being a vendor of proprietary GIS systems to open geospatially enabled solutions.

Intergraph Overview



Intergraph has four divisions and each is recognized as a leader in their respective industries.

Operations in more than 60 countries

Public Safety



Solutions Group



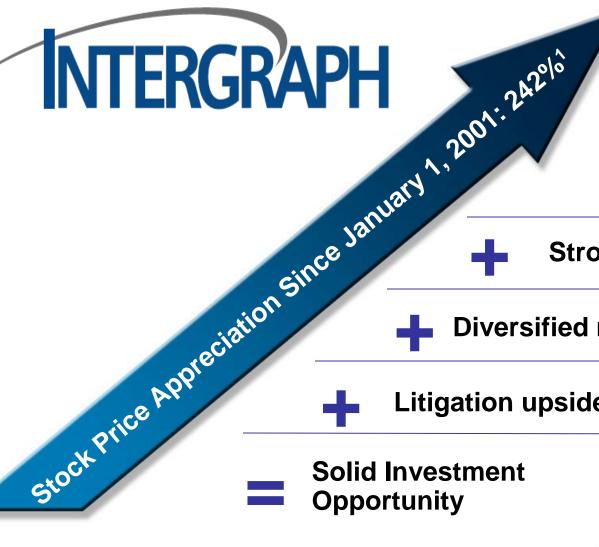
Process, Power & Marine



Mapping & Geospatial Solutions







Strategy to improve operating margins within core operations



Strong balance sheet



Diversified revenue streams



Litigation upside potential



[1] As of February 26, 2004

Land Information Management Solutions

Photogrammetry



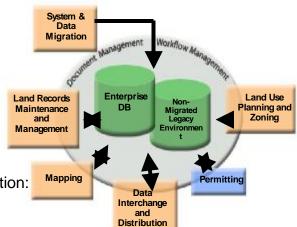
Citizens / Customers / Consumers / Service Providers / Industry Citizens Citizens / Customers / Consumers / Service Providers / Industry Regional & Local National & Federal Government Government Customers Assets Land Intergraph technology has been selected by: Consumers 30 of the top 35 Fortune Global 500 chemical, petroleum & pharmaceutical companies Public safety agencies protecting hundreds of millions of the world's population Service 39 of the 50 state departments of transportation in the United States **Providers** National, regional and local governments in 80% of the world's largest countries Management Assets Industry Distribution Mobile Rail and Airports Commercial Remote Sensing & Transportation

Citizens / Customers / Consumers / Service Providers / Industry

Trends...



- Sustainable Land Administration Infrastructures & Policy Frameworks
 - Technical & Political
 - Formal/Informal
 - Rural / Urban
 - Resistance against "Imported" Solutions
- Business Process & Organizational Reengineering driving:
 - Inter-organizational cooperation, workflow integration & process automation:
 - State Province Municipality
 - Data warehousing and integration with other databases/systems.
 - Data and Application Interoperability
 - Flexible multipurpose LIM Infrastructures
 - Recognition that certain legacy aspects are here to stay (paper documents)
 - Utilization of Industry Templates and Data Models
- Customer Service and Satisfaction
 - Service Provision: Integrated information delivery and availability anywhere, anytime
 - "Single Agency" and One-Stop eGovernment Models
- Public Sector ROI
 - Inter-country & Regional Competition for Foreign Investment
 - Stovepipe Solutions and re-engineering projects: Disconnects & Coordination



Land Information & Administration Today

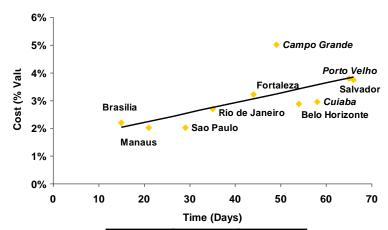


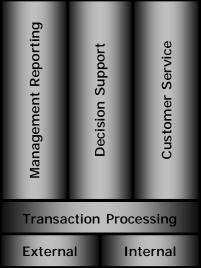


Innovation



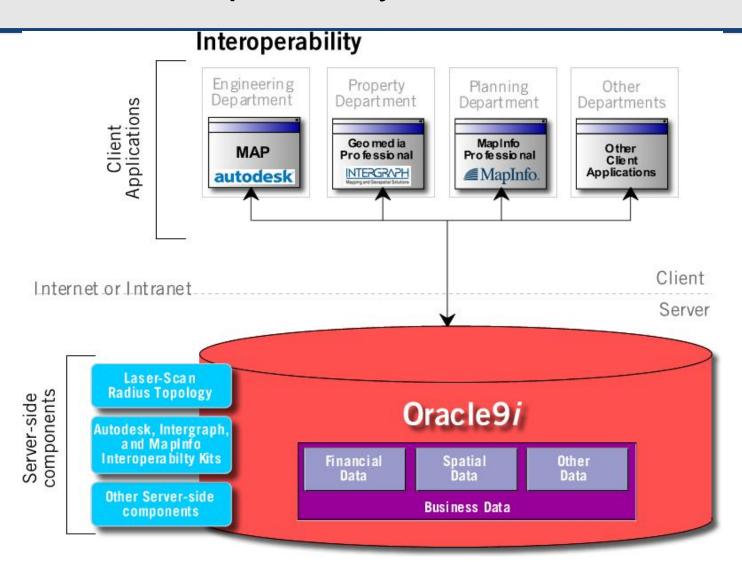
- § Open Interoperable Systems
- § Mainstream Information Technology
- § Sustainable Solutions
 - Easy-to-use: Adapted to user sophistication levels
 - GeoMedia Parcel Manager
 - Minimize Cost of Ownership
 - Expanded Benefits and ROI
- § Intelligent Enterprise Access
- § Focus on Distributed Enterprise Operations
 - Spatial Integration with Enterprise Applications
 - Focused & Robust Industry Solutions
- § Extensible Standardization
 - Industry Templates & Data Models
- § Benchmarking





Oracle Interoperability Initiative



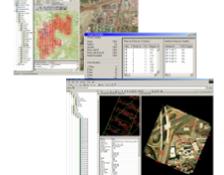


Terrashare – Image Management & Distribution on multiple systems



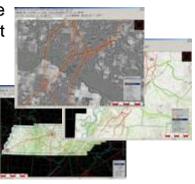
Enterprise Image Management

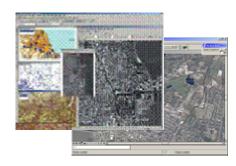
Photogrammetry Production

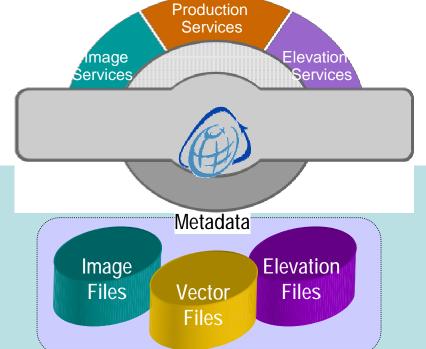




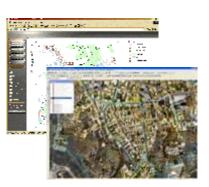
Geospatial Intelligence Geospatial Data Management



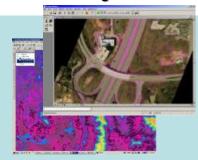




Land Information Management



Geospatial Infrastructure Management



GeoMedia Web Services



§GeoMedia WebMap – Making Standards a reality

- Includes set of Web Services
 - Web Map Service (WMS) implementing OGC Standards
 - Web Feature Service (WFS) implementing OGC Standards
 - Spatial Analysis, Routing, Geocoding
- Ready to be integrated with customer applications and data
 - Desktop, web or mobile devices



Transaction Management, Effective Dating and Lineage



- § Systems Integration
 - Appraisal and Assessment
 - Land Administration
 - Other
- § History
 - Past
 - Present
 - Future





Post-Conflict Land Reform

Solution

- Location-enabled, real-time mobile solution maximizes organizational access to geospatial data to streamline demining activities.
- OGC Compliant to interfaces geospatial databases.
- Interfaces with internationally respected National Defence Mine/countermine Information Centre (NDMIC) database.
- Information can be integrated with Land Information Management Systems.
- DND/CF Canada
 - Intergraph
 - GeoPatrol



Conclusion: Coordination and Pragmatic Approaches towards LIM



